INTERNATIONAL SEARCH REPORT

Application No
PCT/EP 97/04759

A. CLASSIFICATION OF SUBJECT MATTER IPC 6 C07K14/47 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 6 C07K C12Q

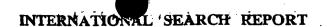
Documentation searched other than minimum documentation to the extent that such documents are included-in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	N.K. SPURR ET AK.: "Report of the second	1-4
	international workshop on human chromosome	_
	8 mapping 1994"	
	CYTOGENETICS AND CELL GENETICS,	
	vol. 68, no. 3-4, 1995, BASEL CH,	
	pages 148-155, XP002036781	
	* the whole document, esp. p153, column 2 *	
•	10.00.00777 A (4004)	
A	WO 89 09777 A (ARCH DEVELOPMENT CORPORATION) 19 October 1989 see the whole document	1
A .	DE 44 DE 010 0 (DEUTCOUES	
A	DE 44 35 919 C (DEUTSCHES KREBSFORSCHUNGSZENTRUM) 7 December 1995 see the whole document	1
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Patent family members are listed in annex.
 T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
Date of mailing of the international search report
1 3 -07- 1998
Authorized officer
De Kok, A

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Intern sal Application No PCT/EP 97/04759

Category ° C	A. ABDOLLAHI ET AL.: "Identification of a gene which shows decreased expression in malignantly transformed rat ovarian surface epithelial cells" PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL MEETING, vol. 37, no. 0, 20 April 1996, WASHINGTON US, page 242 XP002036823 /* abstract nr. 1654 E. ROIJER ET AL.: "Identification of a yeast artificial chromosome spanning the 8q12 translocation breakpoint in pleomorphic adenomas with t(3;8)(p21;q12)" GENES CHROMOSOMES AND CANCER, vol. 17, no. 3, November 1996, NEW YORK US, pages 166-171, XP002036782	1,4 1-4,6-23
X .	A. ABDOLLAHI ET AL.: "Identification of a gene which shows decreased expression in malignantly transformed rat ovarian surface epithelial cells" PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL MEETING, vol. 37, no. 0, 20 April 1996, WASHINGTON US, page 242 XP002036823 /* abstract nr. 1654 E. ROIJER ET AL.: "Identification of a yeast artificial chromosome spanning the 8q12 translocation breakpoint in pleomorphic adenomas with t(3;8)(p21;q12)" GENES CHROMOSOMES AND CANCER, vol. 17, no. 3, November 1996, NEW YORK US,	1,4
	gene which shows decreased expression in malignantly transformed rat ovarian surface epithelial cells" PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL MEETING, vol. 37, no. 0, 20 April 1996, WASHINGTON US, page 242 XP002036823 / * abstract nr. 1654 E. ROIJER ET AL.: "Identification of a yeast artificial chromosome spanning the 8q12 translocation breakpoint in pleomorphic adenomas with t(3;8)(p21;q12)" GENES CHROMOSOMES AND CANCER, vol. 17, no. 3, November 1996, NEW YORK US,	
P,X	yeast artificial chromosome spanning the 8q12 translocation breakpoint in pleomorphic adenomas with t(3;8)(p21;q12)" GENES CHROMOSOMES AND CANCER, vol. 17, no. 3, November 1996, NEW YORK US,	1-4,6-23
1	cited in the application see the whole document	
P,X	EMBL DATABASE, Heidelberg, DE, Acc.nr. U72621, 22 October 1996, A. Abdollahi et al., "Identification of a gene containing zinc-finger motifs based on lost expression in malignantly transformed rat ovarian surface epithelial cells". XP002036784 see abstract	1,4
P,X	A. ABDOLLAHI ET AL.: "Identification of a zinc-finger gene at 6q25: a chromosomal region implicated in development of many solid tumors" ONCOGENE, vol. 14, no. 16, 24 April 1997, OXFORD GB, pages 1973-1979, XP002036783 see the whole document	1,4
x	F NOLLET ET AL: "Genomic organization of the human beta-catenin gene (CTNNB1)" GENOMICS, vol. 32, no. 3, March 1996, NEW YORK US, pages 413-424, XP002047790 cited in the application see the whole document	1,5-25
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INTERNATIONAL' SEARCH REPORT

Interr. nal Application No PCT/EP 97/04759

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C.(Continua Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	1 Dales and the No.
		Relevant to claim No.
X	J. HUELSKEN ET AL.: "E-cadherin and APC compete for the interaction with beta-catenin and the cytoskeleton" JOURNAL OF CELL BIOLOGY, vol. 127, 1994, NEW YORK US, pages 2061-2069, XP002047791 see the whole document	1,5-25
x	C KRAUS ET AL.: "Localization of the human beta-catenin gene (CTNNB1) to 3p21: A region implicated in tumor development" GENOMICS, vol. 23, no. 1, 1994, NEW YORK US, pages 272-274, XP002047792 cited in the application see the whole document	1,5-25
X	J. VAN HENGEL ET AL.: "Assignment of the human beta-catenin gene (CTNNB1) to 3p22-p21.3 by fluorescence in situ hybridization" CYTOGENETICS AND CELL GENETICS, vol. 70, no. 1-2, 1995, BASEL CH, pages 68-70, XP002047793 see the whole document	1,5-25
A	RABBITTS T H: "CHROMOSOMAL TRANSLOCATIONS IN HUMAN CANCER" NATURE., vol. 372, 10 November 1994, LONDON GB, pages 143-149, XP002056672 see the whole document	. 1
A	WEINBERG R A: "TUMOR SUPPRESSOR GENES" SCIENCE., vol. 254, no. 5035, 22 November 1991, LANCASTER, PA US, pages 1138-1146, XP002056673 see the whole document	1



INTERNATIONAL SEARCH REPORT

Obs rvations where certain laims wer found unsearchable (C ntinuation fitem 1 ffirst sheet) This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: 6-23 partially Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: claims 6-23 could be searched only incompletely because they lack technical disclosure (Art. 6 PCT and PCT Search Guidelines, Chapter III, 3.7) Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet) This International Searching Authority found multiple inventions in this international application, as follows: see additional sheet As all required additional search fees were timely paid by the applicant, this international Search Report covers all 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.: No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No. PCT/ EP 97 / 04759

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

1. Claims: 1 (partially), 2-4 (completely) and 6-25 (partially)

Isolated gene implicated in tumorigenesis, having the nucleotide sequence of any one of the members of the PLAG subfamily of zinc finger proteins

2. Claims: 1 (partially),5 (completely) and 6-25 (partially)



Information on patent family members

Interr. nal Application No PCT/EP 97/04759

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 8909777	A	19-10-1989	US	5206152 A	27-04-1993
DE 4435919	С	07-12-1995	WO EP	9611267 A 0784680 A	18-04-1996 23-07-1997